PTO-1595  APO 9-21-98  To the Honorable Commissioner of Patent	09-30-11 1008415		Г	U.S. Department of Con Patent and Trademark	Office
Please record the attached original docume	nts or copy thereof		<del> </del>	<del></del>	70
1. Name of the conveying party(ies)	1	2. Nam	e and address of	the receiving party(ies):	-0
Joseph L. Ganley 2615 John Milton Drive, Herndon, VA	20171	2655 See	Design Systems, I ly Rd., MS/581 CA 95134	nc.	je526 U.S.
Additional name(s) of conveying party(ies)  3. Nature of conveyance:	attached? No	Additional	I Names(s) and A [X] No	ddress(es) Attached	
X Assignment _ Mer Security Agreement _ Cha	ger nge of Name				
Execution Date(s) September 16, 1998					
<ol> <li>Application Number(s) or Patent N         If this document is being filed together v         A. Patent Application No(s).     </li> </ol>			the application is No(s).	s: July 21, 1998	
		Additional	Numbers Attache	d? [ ] Yes [X] No	
<ol><li>Name and address of party to whom be mailed:</li></ol>	n correspondence should	6. Total	l number of Appl	ications and Patents involved 1	

DO NOT USE THIS SPACE

[X] Enclosed

Docket No. 21891.00400

Statement and signature.

Philip M. Shaw, Jr.

CROSBY, HEAFEY, ROACH & MAY

San Francisco, California 94120-7936

**DIRECT DIAL: (415) 659-5904** 

4 Embarcadero Ctr., Ste. 1900, P.O. Box 7936

(415) 543-8700 (telephone) // (415) 391-8269 (fax)

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Philip M. Shaw, Jr

09/28/1998 PSTANAC 00000028 09158119

September 21, 1998 Dated

Total Fee (37 CFR § 3.41) . . . . . . \$ 40.00

[ ] Previously Paid

(Attached duplicate copy if paying by Deposit Account)

Authorized to be charged to Deposit Account

Deposit Account No. 03-3821. Please reference Attorney

Total number of pages including cover sheet, attachments, and document: 2 Mail documents to be recorded with-required cover sheet information to:

**Commissioner of Patents and Trademarks** 

Box Assignments Washington, DC 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC 20231, and to the Office of Management and Budget, Paperwork Reduction Products, (0651-0011), Washington, DC 20503.

12024653

**PATENT REEL: 9477 FRAME: 0067** 

## ASSIGNMENT

WHEREAS, I, <u>Joseph L. Ganley</u>, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: An Efficient Method for Solving Systems of Discrete Rotation and Reflection Constraints Application (Declaration/Oath) Execution Date:

Filing Date: Application No.:

WHEREAS, <u>Cadence Design Systems</u>, <u>Inc.</u>, a corporation of the State of <u>Delaware</u>, <u>2655 Seely Rd.</u>, <u>MS/5B1</u>, <u>San Jose</u>, <u>CA 95134</u> hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assigner further agrees that he/she will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

mi real milette of , r	tosignor nes nereanto	signed marrier marrie to the	ms assignment on the date mulcated below.
Date: 9-16-98	_	Joseph L. Ga	boulty
		V Joseph L. Ga	nley
State of Virginia			
County of Fairfax			
on Hathday Sept, 98	before me, <u>MK</u>	Joseph	Ganley
personally <mark>appeared <u>Joseph L. Ganl</u> person(s) whose name(s) is/are sub</mark>	<u>ev</u> personally known to scribed to the within in acity(ies), and that by	o me or proved to me on estrument and acknowled his/her/their signature(s)	the basis of satisfactory evidence to be the dged to me that he/she/they executed the on the instrument the person(s), or the
	,	VITNESS my hand and of	fficial seal.
	_		02 cemi
	S	Signature of Notary	
SEAL			
		My Commission Expires I	الانتقالية عاء حيي

PATENTS\ASMT-SGL.MRG

**RECORDED: 09/21/1998** 

-1-

Rev. 05/25/95

PATENT REEL: 9477 FRAME: 0068